

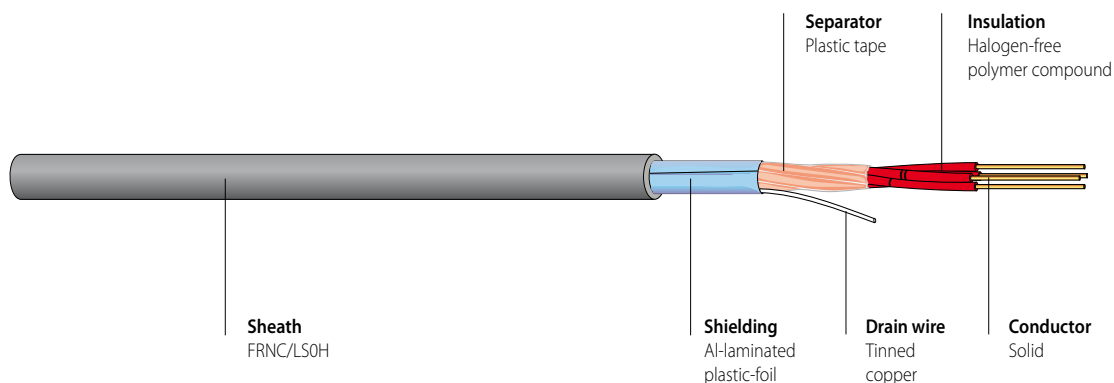
PREVENTIVE FIRE PROTECTION

J-H(St)H...Bd

Wiring cable for telecommunication systems max. 300V

Halogen-free, with improved fire characteristics

VDE 0815



PRODUCT INFORMATION



APPLICATION

Installation cable with electrostatic shield in fire vulnerable areas with high concentration of people and property value. For telecommunication and IT systems for lossless data and signal transmission. Suitable for fixed laying in dry and humid rooms, on-wall and in-wall, outdoor use, no laying underground. Not to be used for power transmission. Permitted operating temperature at conductor of +70°C.

CONSTRUCTION

Conductor	Bare copper, solid, 0.6 or 0.8mm diameter
Insulation	Halogen-free polymer compound, EN 50290-2-26
Core identification	DIN VDE 0815 (different colours)
Stranding	Cores twisted to star-quads and quads to units
Shielding	Al-laminated plastic-foil with drain wire, copper tinned
Outer Sheath	Halogen-free polymer compound, EN 50290-2-27
Sheath colour	Grey

ELECTRICAL PROPERTIES

Rated voltage	max. 300 V
Test voltage	800V 50Hz
Conductor resistance	
Loop:	0,6 mm max. 130 Ω/km
	0,8 mm max. 73,2 Ω/km
Insulation resistance	min. 100 MΩ x km
Capacity	max. 120 nF/km

GENERAL PROPERTIES

Minimum bending radius	permanent installation	2,5 x D
	during installation	7,5 x D
		(D = outer diameter)
Operation temperatur	permanent installation	-30 °C bis +70 °C
Operation temperatur	during installation	- 5 °C bis +50 °C
 Zero halogen		
 non corrosive gases		IEC 60754-2, EN 50267-2-2, VDE 0482-267-2-2
 Flame propagation		IEC 60332-1-2, EN 60332-1-2, VDE 0482-332-1-2
 Flame spread		IEC 60332-3-24 Cat. C, EN 60332-3-24 Cat. C, VDE 0482-332-3-24 Cat. C
 Smoke density		IEC 61034-1/-2, EN 61034-1/-2, VDE 0482-1034-1/-2

PRODUCT INFORMATION

Article No.	No. of cores x conductor diameter					Cu content	Total weight	Outer diameter	Fire load
	n x mm					kg/km	app. kg/km	app. mm	app. kWh/m
	1	x	2	x	0,6	9	33	5,0	0,90
152 833	2	x	2	x	0,6	14	49	6,0	0,12
152 834	4	x	2	x	0,6	25	92	9,0	0,18
152 835	6	x	2	x	0,6	37	101	9,0	0,23
152 836	10	x	2	x	0,6	59	146	11,0	0,33
152 837	20	x	2	x	0,6	116	310	16,0	0,72
154 450	30	x	2	x	0,6	172	352	17,0	0,81
1154 451	40	x	2	x	0,6	229	464	19,0	1,05
154 452	50	x	2	x	0,6	286	573	21,0	1,34
154 453	60	x	2	x	0,6	342	661	23,0	1,50
154 454	80	x	2	x	0,6	455	876	27,0	2,01
154 455	100	x	2	x	0,6	568	1056	29,0	2,53
191 001	1	x	2	x	0,8	15	56	6,0	0,12
152 838	2	x	2	x	0,8	25	69	7,0	0,16
152 689	4	x	2	x	0,8	45	136	11,0	0,29
152 839	6	x	2	x	0,8	65	152	11,0	0,35
152 840	10	x	2	x	0,8	106	230	13,0	0,55
152 841	20	x	2	x	0,8	206	508	21,0	1,21
1159 967	30	x	2	x	0,8	307	599	22,0	1,36
1172 012	40	x	2	x	0,8	407	787	25,0	1,67
1172 013	50	x	2	x	0,8	508	973	25,0	2,19
1172 014	60	x	2	x	0,8	608	1121	30,0	2,44
1172 015	80	x	2	x	0,8	809	1476	34,0	3,18
1172 016	100	x	2	x	0,8	1010	1805	38,0	4,07

Additional dimensions available on request.